

Listing of Claims:

1. (currently amended) A method for handing over a mobile wireless connection established over a network, said mobile wireless connection being between a mobile terminal having a first address on said network and a terminal having a second address on said network, said mobile wireless connection being established through a switching center, said mobile terminal having a battery, said method comprising:

monitoring a ~~condition of at least one~~ level of power of said ~~mobile wireless connection and said mobile terminal~~ battery;

sending a handover request to said switching center when said ~~condition attains~~ level of power of said battery falls below a predetermined ~~state~~ level to re-route said mobile wireless connection from said first address to a transfer address on said network through said switching center; and

establishing a transfer connection between said second address and said transfer address.

2. (currently amended) The method of claim 1, ~~wherein said predetermined state~~ is further comprising the steps of:

monitoring said connection to recognize a disconnect of said mobile wireless connection not resulting from a disconnect signal generated by either said mobile terminal or said terminal;

sending a handover request to said switching center when said disconnect not resulting from a disconnect signal is recognized; and

establishing a transfer connection between said second address and said transfer address when said disconnect not resulting from a disconnect signal is recognized.

3. (currently amended) The method of claim 1, ~~wherein said predetermined state~~ is further comprising the steps of:

monitoring said connection to recognize a break in said mobile wireless connection;

sending a handover request to said switching center when said break is recognized; and

establishing a transfer connection between said second address and said transfer address when said break is recognized.

4. (canceled)

5. (currently amended) The method of claim [[4]] 1, further comprising the steps of:

placing said mobile wireless connection on hold; and

attempting to re-establish said mobile wireless connection between said first address and said second address after a predetermined period of time has elapsed from the time said mobile wireless connection has been ~~broken~~ re-routed, said transfer address being said first address.

6. (original) The method of claim 5, wherein said predetermined period of time is sufficient to allow said battery of said mobile terminal to be changed.

7. (currently amended) The method of claim 3, further comprising the steps of :

placing said mobile wireless connection on hold; and

attempting to re-establish said mobile wireless connection when said ~~condition is~~
break no longer ~~satisfied~~ exists.

8. (original) The method of claim 5, further comprising, if said mobile wireless connection between said first address and said second address cannot be re-established, re-routing said mobile wireless connection to a second transfer address, said second transfer address being other than said first address.

9. (original) The method of claim 3, further comprising the step of:
informing said second user that said mobile wireless connection is being re-routed.

10. (original) The method of claim 1, wherein said transfer address includes a hierarchy of alternate network addresses.

11. (original) The method of claim 10, wherein a first alternate network address in said hierarchy is said first address.

12. (original) The method of claim 11, wherein a second alternate network address in said hierarchy is an address having an alternate first user address for voice communication, so that said connection may be continued at said second alternate network address.

13. (original) The method of claim 12, wherein a third alternate network address in said hierarchy is an address at which said second user may leave a message.

14. (original) The method of claim 10, wherein a first alternate network address in said hierarchy is an address at which said second user may leave a message.

15. (original) The method of claim 10, wherein a first alternate network address in said hierarchy is an address at which said second user may reach a third party.

16. (original) The method of claim 15, wherein said first address corresponds to a person in a specific class of user, and said third party is a person in said specific class of user.

17. (original) The method of claim 9, wherein said step of informing said second user that said mobile wireless connection is being re-routed includes offering said second user a choice of transfer addresses to which said second user may be re-routed.

18. (currently amended) A system for handing over a mobile wireless connection established over a network, said mobile wireless connection being between a mobile terminal having a first address on said network and a terminal having a second address on said network, said mobile wireless connection being established through a switching center, said mobile terminal having a battery, said system comprising:

means for monitoring a ~~condition of at least one~~ power level of said ~~mobile wireless connection and said mobile terminal~~ battery;

means for sending a handover request to said switching center when said means for monitoring determines that said ~~condition~~ power level of said battery has ~~attained~~ fallen below a predetermined state level; and

means for re-routing said wireless mobile connection from said first address to a transfer address on said network through said switching center in response to said handover request to establish a transfer connection between said second address and said transfer address.

19. (currently amended) The system of claim 18, ~~wherein said predetermined state is~~ further comprising:

means for monitoring said mobile wireless connection for a disconnect of said mobile wireless connection not resulting from a disconnect signal generated by either said mobile terminal or said terminal;

wherein said means for sending a handover request includes means for sending a handover request to said switching center when said means for monitoring said mobile wireless connection recognizes a disconnect of said mobile wireless connection not resulting from a disconnect signal generated by either said mobile terminal or said terminal .

20. (currently amended) The system of claim 18, ~~wherein said condition is at least one of a level of power of a battery in said mobile terminal, and~~ further comprising means for monitoring said mobile wireless connection for a break in said mobile wireless connection not resulting from a disconnect signal generated by either said mobile terminal or said terminal.

21. (canceled)

22. (currently amended) The system of claim ~~21~~ 18, further comprising:

means for placing said mobile wireless connection on hold; and

means for attempting to re-establish said mobile wireless connection between said first address and said second address after a predetermined period of time has elapsed from the

time said ~~mobile wireless connection~~ handover request has been ~~broken~~ sent, said transfer address being said first address.

23. (original) The system of claim 22, wherein said predetermined period of time is sufficient to allow said battery of said mobile terminal to be changed.

24. (currently amended) The ~~method~~ system of claim 21, further comprising the steps of:

means for placing said mobile wireless connection on hold; and

means for attempting to re-establish said mobile wireless connection when said condition level of said battery is no longer ~~satisfied~~ below said predetermined level.

25. (original) The system of claim 22, further comprising, means for re-routing said mobile wireless connection to a second transfer address, if said mobile wireless connection between said first address and said second address cannot be re-established, said second transfer address being other than said first address.

26. (original) The system of claim 20, further comprising:
means for informing said second user that said mobile wireless connection is being re-routed.

27. (original) The system of claim 18, wherein said transfer address includes a hierarchy of alternate network addresses.

28. (original) The system of claim 27, wherein a first alternate network address in said hierarchy is said first address.

29. (original) The system of claim 28, wherein a second alternate network address in said hierarchy is an address having an alternate first user address for voice communication, so that said connection may be continued at said second alternate network address.

30. (original) The system of claim 29, wherein a third alternate address in said hierarchy is an address at which said second user may leave a message.

31. (original) The system of claim 27, wherein a first alternate network address in said hierarchy is an address at which said second user may leave a message.

32. (original) The system of claim 27, wherein a first alternate network address in said hierarchy is an address at which said second user may reach a third party.

33. (original) The system of claim 32, wherein said first address corresponds to a person in a specific class of user, and said third party is a person also in said specific class.

34. (original) The system of claim 26, wherein said means for informing said second user that said mobile wireless connection is being re-routed includes means for offering said second user a choice of transfer addresses to which said second user may be re-routed.

35. (original) The system of claim 18, wherein said means for monitoring is located in said switching center.

36. (new) The method of claim 5, wherein said predetermined period of time is at least 15 seconds.

37. (new) The system of claim 22, wherein said predetermined period of time is at least 15 seconds.